Message

From: Dorsey, Nancy [/O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=C8FB911FE64A49F193CCCF238D1A9328-DORSEY, NANCY]
Sent: 7/19/2021 6:15:30 PM
To: Watson, Kelly R [Kelly_Watson@oxy.com]
CC: Hsu, Chia-Fu [Chia_Hsu@oxy.com]; Campbell, William M [William_Campbell2@oxy.com]; Kelleher, Hollie A [Hollie_Kelleher@oxy.com]; Johnson, Ken-E [Johnson.Ken-E@epa.gov]; Ellinger, Scott [Ellinger.Scott@epa.gov]; Liu, Matthew [Liu.Matthew@epa.gov]; Yun, Samuel [Yun.Samuel@epa.gov]; Ussery, Ian [Ussery.Ian@epa.gov]; Friesenhahn, Brody [friesenhahn.brody@epa.gov]
Subject: RE: YAMS CO2 Sequestration Project: Model Output File Format Question

Hi Kelly,

Good question! We have ESRI ArcPro and Desktop, plus STOMP. If that doesn't help, perhaps you could prepare one sample for our engineers to test?

Thank you for asking up front!
Nancy

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UIC Webpages:
https://www.epa.gov/uic
http://www.epa.gov/uic/underground-injection-control-epa-region-6-ar-la-nm-ok-and-tx

http://www.epa.gov/uic/guidance-documents-completing-class-i-injection-well-no-migration-petitions

Managing and Minimizing Potential of Injection-Induced Seismicity from Class II Disposal: Practical Approaches: http://www.epa.gov/uic/underground-injection-control-national-technical-workgroup-final-issue-papers

Monitoring Injection Wells—Basic Hall integral Method:
https://www.iris.edu/hq/inclass/animation/monitoring_injection_wellsbasic_hall_integral_method

For Class VI applicants, EPA is a regulatory agency and not a research agency. We will not pass on any privileged or commercially valuable information. We will not suggest locations nor supply information. We will answer reasonable questions. It is up to the applicants to research, collect and model scenarios based on their own site-specific data and conditions to meet EPA regulatory standards. This does not prevent us from cautioning against certain locations which have been previously shown to be potentially unsuitable reservoirs through various investigations in other well class permitting actions. You will find many of your answers in the official Guidance documents on the EPA webpage.

Class VI Injection Wells:
https://www.epa.gov/uic/federal-requirements-under-underground-injection-control-uic-program-carbon-dioxide-co2-geologic
https://www.epa.gov/uic/final-class-vi-guidance-documents

From: Watson, Kelly R <Kelly_Watson@oxy.com>
Sent: Monday, July 19, 2021 1:05 PM
To: Dorsey, Nancy <Dorsey.Nancy@epa.gov>
Cc: Hsu, Chia-Fu <Chia_Hsu@oxy.com>; Campbell, William M <William_Campbell2@oxy.com>; Kelleher, Hollie A <Hollie_Kelleher@oxy.com>; Johnson, Ken-E <Johnson.Ken-E@epa.gov>
Subject: YAMS CO2 Sequestration Project: Model Output File Format Question

Good afternoon,

YAMS CO2 Sequestration Project reservoir engineer, Hollie Kelleher, is preparing the model output files as requested in the Model Output tab of the Area of Review and Corrective Action module.

Hollie notes that there are several types of text output from the simulator and Petrel; she is unsure which type you will be able to read. She plans to provide shapefiles with the pressure and plume spatial extent over time. For all of the pressure, saturation, and other property data, a RESCUE file would be preferred from our side. Or, can you specify another type of format (ECLIPSE, Mesh, YXZ) that would help facilitate this step?

Thank you,

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